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We claim:

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- An isolated nucleic acid molecule comprising a polynucleotide chosen from 1. the group consisting of SEQ ID NO:1, SEQ ID NO:2, SEQ ID NO:3, SEQ ID NO:4, SEQ ID NO:5, SEQ ID NO:6, SEQ ID NO:7, SEQ ID NO:8, SEQ ID NO:9, SEQ ID NO:10, SEQ ID NO:11, SEO ID NO:12, SEQ ID NO:13, SEQ ID NO:14, SEQ ID NO:15, SEQ ID NO:16, SEO ID NO:17, SEQ ID NO:18, SEQ ID NO:19, SEQ ID NO:20, SEQ ID NO:21, SEQ ID NO:22, SEQ ID NO:23, SEQ ID NO:24, SEQ ID NO:25, SEQ ID NO:26, SEQ ID NO:27, SEO ID NO:28, SEQ ID NO:29, SEQ ID NO:30, SEQ ID NO:31, SEQ ID NO:32, SEQ ID NO:33, SEQ ID NO:34, SEQ ID NO:35, SEQ ID NO:36, SEQ ID NO:37, SEQ ID NO:38, SEQ ID NO:39, SEQ ID NO:40, SEQ ID NO:41, SEQ ID NO:42, SEQ ID NO:43, SEQ ID NO:44, SEO ID NO:45, SEO ID NO:46, SEO ID NO:47, SEO ID NO:48, SEO ID NO:49, SEO ID NO:50, SEQ ID NO:51, SEQ ID NO:52, SEQ ID NO:53, SEQ ID NO:54, SEQ ID NO:55, SEQ ID NO:56, SEQ ID NO:57, SEQ ID NO:58, SEQ ID NO:59, SEQ ID NO:60, SEQ ID NO:61 and SEQ ID NO:62.
- 2. An isolated polypeptide encoded by a polynucleotide chosen from the group consisting of SEQ ID NO:1, SEQ ID NO:2, SEQ ID NO:3, SEQ ID NO:4, SEQ ID NO:5, SEQ ID NO:6, SEQ ID NO:7, SEQ ID NO:8, SEQ ID NO:9, SEQ ID NO:10, SEQ ID NO:11, SEQ ID NO:12, SEQ ID NO:13, SEQ ID NO:14, SEQ ID NO:15, SEQ ID NO:16, SEO ID NO:17, SEQ ID NO:18, SEQ ID NO:19, SEQ ID NO:20, SEQ ID NO:21, SEQ ID NO:22, SEQ ID NO:23, SEQ ID NO:24, SEQ ID NO:25, SEQ ID NO:26, SEQ ID NO:27, SEQ ID NO:28, SEQ ID NO:29, SEQ ID NO:30, SEQ ID NO:31, SEQ ID NO:32, SEQ ID NO:33, SEQ ID NO:34, SEQ ID NO:35, SEQ ID NO:36, SEQ ID NO:37, SEQ ID NO:38, SEQ ID NO:39, SEQ ID NO:40, SEQ ID NO:41, SEQ ID NO:42, SEQ ID NO:43, SEQ ID NO:44, SEQ ID NO:45, SEQ ID NO:46, SEQ ID NO:47, SEQ ID NO:48, SEQ ID NO:49, SEQ ID NO:50, SEQ ID NO:51, SEQ ID NO:52, SEQ ID NO:53, SEQ ID NO:54, SEQ ID NO:55, SEQ ID NO:56, SEQ ID NO:57, SEQ ID NO:58, SEQ ID NO:59, SEQ ID NO:60, SEQ ID NO:61 and SEQ ID NO:62.
  - An isolated nucleic acid molecule comprising a polynucleotide at least 95% 3. identical to the isolated nucleic acid molecule of claim 1.
  - 4. An isolated nucleic acid molecule at least ten bases in length that is hybridizable to the isolated nucleic acid molecule of claim 1 under stringent conditions.
    - An isolated nucleic acid molecule encoding the polypeptide of claim 2. 5.

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6. An isolated nucleic acid molecule encoding a fragment of the polypeptide of claim 2.

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- 7. An isolated nucleic acid molecule encoding a polypeptide epitope of the polypeptide of claim 2.
  - 8. The polypeptide of claim 2 wherein the polypeptide has biological activity.
- 9. An isolated nucleic acid encoding a species homologue of the polypeptide of claim 2.
- 10. The isolated nucleic acid molecule of claim 1, wherein the nucleotide sequence comprises sequential nucleotide deletions from either the C-terminus or the N-terminus.
- 11. A recombinant vector comprising the isolated nucleic acid molecule of claim 1.
- 12. A recombinant host cell comprising the isolated nucleic acid molecule of claim 1.
  - 13. A method of making the recombinant host cell of claim 12.
    - 14. The recombinant host cell of claim 12 comprising vector sequences.
- 15. The isolated polypeptide of claim 2, wherein the isolated polypeptide comprises sequential amino acid deletions from either the C-terminus or the N-terminus.
- 16. An isolated antibody that binds specifically to the isolated polypeptide of claim 2.
  - 17. The isolated antibody of claim 16 wherein the antibody is a monoclonal antibody.
  - 18. The isolated antibody of claim 16 wherein the antibody is a polyclonal antibody.
    - 19. A recombinant host cell that expresses the isolated polypeptide of claim 2.
    - 20. An isolated polypeptide produced by the steps of:
    - (a) culturing the recombinant host cell of claim 14 under conditions such that said polypeptide is expressed; and
      - (b) isolating the polypeptide.
- 21. A method for preventing, treating, or ameliorating a medical condition, comprising administering to a mammalian subject a therapeutically effective amount of the polypeptide of claim 2 or the polynucleotide of claim 1.

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- 22. A method of diagnosing a pathological condition or a susceptibility to a pathological condition in a subject comprising:
  - (a) determining the presence or absence of a mutation in the polynucleotide of claim 1; and

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- (b) diagnosing a pathological condition or a susceptibility to a pathological condition based on the presence or absence of said mutation.
- 23. A method of diagnosing a pathological condition or a susceptibility to a pathological condition in a subject comprising:
- (a) determining the presence or amount of expression of the polypeptide of claim 2 in a biological sample; and
- (b) diagnosing a pathological condition or a susceptibility to a pathological condition based on the presence or amount of expression of the polypeptide.
- 24. A method for identifying a binding partner to the polypeptide of claim 2 comprising:
  - (a) contacting the polypeptide of claim 2 with a binding partner; and
- (b) determining whether the binding partner effects an activity of the polypeptide.
- 25. The gene corresponding to the cDNA sequence of the isolated nuclei acid of claim 1.
- 20 26. A method of identifying an activity of an expressed polypeptide in a biological assay, wherein the method comprises:
  - (a) expressing the polypeptide of claim 2 in a cell;
  - (b) isolating the expressed polypeptide;
  - (c) testing the expressed polypeptide for an activity in a biological assay; and
  - (d) identifying the activity of the expressed polypeptide based on the test results.
  - 27. A substantially pure isolated DNA molecule suitable for use as a probe for genes regulated in gastrointestinal inflammation, chosen from the group consisting of the DNA molecules identified in Table 1, having a 5' partial nucleotide sequence and length as described by their digital address, and having a characteristic regulation pattern in gastrointestinal inflammation.
  - 28. A kit suitable for detecting the presence of the polypeptide of the claim 2 in a mammalian tissue sample comprising a first antibody which immunoreacts with a mammalian protein encoded by a gene corresponding to the polynucleotide of claim 1 or with

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a polypeptide of claim 2 in an amount sufficient for at least one assay, instructions for use and suitable packaging material.

- 29. A kit of claim 28 further comprising a second antibody that binds to the first antibody.
  - 30. The kit of claim 29 wherein the second antibody is labeled.
- 31. The kit of claim 30 wherein the label comprises enzymes, radioisotopes, fluorescent compounds, colloidal metals, chemiluminescent compounds, phosphorescent compounds, or bioluminescent compounds.
- 32. A kit for suitable for detecting the presence of a gene regulated in gastrointestinal inflammation, comprising:

at least one polynucleotide of claims 1 or 4, or fragment thereof having at least 10 contiguous bases, in an amount sufficient for at least one assay;

label means;

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instructions for use; and

- suitable packaging material.
  - 33. An isolated polypeptide comprising SEQ ID NO:129.